

- 8 -

The Claims Defining the Invention are as Follows:

1. A waste water extraction system for an aquaculture receptacle having a side wall and a bottom wall, said receptacle filled with water to a particular water level, said system including at least:

a first conduit having first and second ends;

a second conduit disposed inside said first conduit, said second conduit having first and second ends;

a plate extending transversely across and sealing said first end of said first conduit and extending laterally of said first conduit, said plate provided with an axial hole in fluid communication with said first end of said second conduit, and said first end of said first conduit provided with at least one aperture near said plate; and,

spacer means on a surface of said plate opposite said first conduit for spacing said plate from said bottom wall;

said first and second conduits configured to exit said tank at a location at least partially below said pre-determined water level.

2. The waste water extraction system according to claim 1 including a sleeve extending about a length of said first conduit to define a region between an inside surface of said sleeve and an outside surface of said length of said first conduit, said sleeve having a first end above said at least one aperture and a second end above said first end of said sleeve; and,

means for delivering a gas through said region.

3. The waste water extraction system according to claim 2 wherein said means for delivering a gas includes a distributor at said first end of said sleeve for distributing said

- 9 -

gas to flow from near said first end of said sleeve about said first conduit.

4. The waste water extraction system according to any one of claims 1-3 wherein said first conduit includes an opening between its first and second ends, said opening disposed above said pre-determined level.

5. The waste water extraction system according to any one of claims 1-4 wherein each of said first and second conduits include a first length that contains the respective first ends of said conduits, and extends generally vertically; and,

a second length that extends generally horizontally, said second length disposed at least partially below said pre-determined level.

6. An aquaculture system including:

a receptacle for holding a volume of water said receptacle having a side all and a bottom wall;

a water inlet through which water is delivered to said receptacle, said inlet configured to induce a circular flow of water within said receptacle;

a first conduit having first and second ends;

a second conduit disposed inside said first conduit, said second conduit having first and second ends;

a plate extending transversely across and sealing said first end of said first conduit and extending laterally of said first conduit, said plate provided with an axial hole in fluid communication with said first end of said second conduit, and said first end of said first conduit provided with at least one aperture near said plate; and,

spacer means on a surface of said plate opposite said first conduit for spacing

- 10 -

said plate from said bottom wall;

said first and second conduits configured to exit said tank at a location at least partially below said pre-determined water level.

7. A system according to any one of claims 1-6 wherein said first and second conduits are arranged to enable lifting of said plate from said bottom wall of said tank.